

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: DUBE2@delphi.com  
Subject: 1944 prices  
Message-ID: <01I1T1VQV9EA9ASYNQ@delphi.com>

Gleaned from Radio Amateur's Handbook, 21st Edition (1944):

National NC-200 \$265.83  
NC-45 \$ 84.17  
HRO \$329.50 (table model) 4 sets of coils  
Other coils \$22.00 per set  
HRO Jr \$198.00 (table model) 1 set of coils  
Other coils \$18.25 per set  
NC-100A \$220.00  
NC-100XA \$261.25 (has xtal filter)  
NC-101X \$236.50  
NC-101XA \$236.50  
NC-110 \$93.50 (less tubes, but with 6 sets of coils)  
5886 Power supply for NC-110 \$32.50 (with tube)  
SW-3U \$38.50 (less tubes and coils) Coils:  
\$3.85 to \$9.50, depending on band  
5886AB power supply for SW-3U \$32.50

Hammarlund HQ-120-X \$168.00  
Super-Pro SP-210-X \$318.00  
SP-210-SX \$318.00  
SP-220-X \$330.00  
SP-220-SX \$330.00

RCA 833-A \$76.50

73,  
Dube AB5AP dube2@delphi.com

The wear on a hypothesis is proportional to the distance of the  
extrapolation from the experimental results - Eli Brookner

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Bill Meara <w.meara@server1.codetel.net.do>  
Subject: Re: 1944 prices  
Message-ID: <9603011132.AA12534@server1.codetel.net.do>

At 12:36 AM 3/1/96 -0600, you wrote:

>  
>  
>Gleaned from Radio Amateur's Handbook, 21st Edition (1944):  
>  
>National NC-200 \$265.83  
> NC-45 \$ 84.17 etc.

Dube: I was amazed when I learned that my trusty Hallicrafters HT-37 was selling for 450 dollars in 1959! I did some quick inflation calculations - that is the equivalent of around 2000 dollars in today's money - just for the transmitter! No wonder new hams built stuff! 73 Bill

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>  
Subject: Re: 1944 prices  
Message-ID: <199603011045.EAA17638@dlep1.itg.ti.com>

At 04:34 AM 3/1/96 -0600, Bill Meara wrote:

>Dube: I was amazed when I learned that my trusty Hallicrafters HT-37 was  
>selling for 450 dollars in 1959! I did some quick inflation calculations -  
>that is the equivalent of around 2000 dollars in today's money - just for  
>the transmitter! No wonder new hams built stuff! 73 Bill

No wonder the HT-37 is such a good rig. For that price they could afford to build it well.

Regards,  
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Catherine E Ussailis <ceu@student.umass.edu>  
Subject: 2875  
Message-ID: <199603011506.KAA22432@twain.oit.umass.edu>

What you are receiving is an image. A superhet receiver has the potential to convert both sides of the local oscillator frequency (LO) into the intermediate frequency (IF). Without a "preslector," or with a misadjusted "front-end," this happens a lot. Here is how it works.

You tune to 2875. The receiver has the LO above that frequency by the IF. The LO is at 3330 KHz. 3330 KHz enters the mixer. Assume that all the signals in the world can enter the RF port of the mixer. All these signals can mix with the LO and be presented to the IF. Only those that are at 455 KHz can pass into the IF.

Mixing in this case means that the frequencies of all the signals in the world either add or subtract with the LO frequency.

There are two frequencies that mix with 3330 KHz to make 455 KHz. 2875 KHz and 3785KHz. A well designed receiver will reject the "upper sideband" of 3785 KHz before the mixer stage. This receiver did not.

This receiver received an "image" signal. A little bit of math will convince you that the image is at the received frequency + two times the IF.

Most all older (before the days of SSB) BA receivers had an "upper side" LO. This means that the LO is above the desired signal. So the image frequency in BA receivers most always falls above the desired frequency. The selectivity, or amount of rejection of the image depends on the number and "Q" of the preselector circuits. The RF amplifier is the preselector in this case.

The images we see in the 60s and 70s generation of SSB receivers are another matter. They are due to "leak-thru." They can have the same image problem, it just isn't as noticeable.

We don't see images in modern receivers because the first IF is at a VHF frequency. The image is at a very much higher frequency. This makes the preselector more effective, and there are very few signals at the image frequency.

Jim, W1EQO / VE1EQO

Please reply to  
ussailis@forum.phast.umass.edu

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Steve Ellington <n4lq@iglou.com>  
Subject: Re: 2875?

Message-ID: <Pine.SOL.3.91.960301061536.24308C-100000@iglou2>

> lo and behold I heard (for the first time this year) AM on 2875. I was  
> listening to a California ham talking to a W9 ham. I was totally surprised that  
> I could hear Wisconsin on 2875. Of course I was in the terminator (6PM here)

Is this a new ham band or is your dial off a bit?

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996

From: bill@texan.frco.com (William Hawkins)

Subject: Re: 4C35A

Message-ID: <9602292059.AA11976@texan.frco.com>

Actually, a thyatron is also called a grid controlled rectifier. Since glass ones are relatively cheap (when you can find them) compared to 866's, why not use them as rectifiers by connecting the grid to the cathode or heater? Probably ought to use an isolation resistor to keep the grid from drawing current. They do come in various flavors of gasses, so you can pick the color you want. Reasonable size units are rated at 2.5 amps, though .5 to 1 amp is more common. That's enough for what most of us do.

Anybody tried that?

Bill Hawkins

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: 4C35A

Message-ID: <Pine.ULT.3.91.960229164257.20432A-100000@admin.aurora.edu>

On Thu, 29 Feb 1996, William Hawkins wrote:

> Actually, a thyatron is also called a grid controlled rectifier. Since  
> glass ones are relatively cheap (when you can find them) compared to 866's,

One of the old power supplies for the Teletype Model 19 set (I think about 120VDC at 2A) used a pair of grid controlled rectifiers. Man what hash they generated on HF! I recall replacing them with SS diodes and even wound up with better regulation:-)

E-mail broehrig@admin.aurora.edu

73 de Bob, K9EUI

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: A Modest proposal  
Message-ID: <199603010403.XAA01210@ns1.ptd.net>

I suggest that all forsale postings include at least the city and state where the anchor in question resides. A T-368 in California and a T-368 in Eastern Pennsylvania are two entirely different thing from my point of view.

73,  
Al Klase - N3FRQ  
alklase@mailbox.ptd.net  
Flemington, NJ

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: tomrice@netcom.com (Tom R. Rice)  
Subject: A Modest proposal, indeed  
Message-ID: <199603011747.JAA06058@netcom3.netcom.com>

> I suggest that all forsale postings include at least the city and  
> state where the anchor in question resides. A T-368 in California and a  
> T-368 in Eastern Pennsylvania are two entirely different thing from my point  
> of view.

>

Hear, hear! One example was the gentleman offering a really neat BC-348, all fixed up and running, for the possibly exorbitant price of \$295. If he were in the SF Bay area, I'd go see it with open mind and, being highly susceptible to such things, quite possibly go for it. But the potential hassles (read fear!) of shipping, etc., make the deal improbable for me.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields  
Tom R. Rice WB6BYH SF Bay Area, near Livermore  
tomrice@netcom.com  
CIS: 71160,1122

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996

From: JOSEPH LUTZ <100735.2050@compuserve.com>  
Subject: AC-3 HF Antenna Coupler  
Message-ID: <960229205409\_100735.2050\_EHV86-1@CompuServe.COM>

Hi Gang,

Need so help in finding out the manufacturer of the AC-3 HF Antenna Coupler. The manual I have show the unit rack mounted, and it was with the Collins manuals I obtained when I got my KWM2A & 30L1. I have been using the RF765 Antenna Coupler, but would like to get the AC-3 and rack mount it when I return this summer to the states. Is the AC-3 still available, and if so, what are they bringing at the flea markets, etc? Also, while on the subject of Collins, does anyone out there have the 30L1 being used with the Yaesu FT-101ZD? I have been trying to figure out a way to use the 30L1 with both the 101ZD and the KWM2A, but can't get the 101 to key the linear? What dumb thing am I not doing? Would like to use it for at least one contest from here before I leave. Any and all help is appreciated.  
73 de Joe W7LPF (HB9IBA)

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: bcutter@teal.csn.net (Bob Cutter)  
Subject: AM Transmitters FS  
Message-ID: <199603012206.PAA06670@lynx.csn.net>

>From "Radio World", March 6, 1996:

"Gates BC-500GY 500 W AM in good condition on 1380, \$800; Gates BC-250G 250 W AM in good condition on 1550, \$500. T. Toenjes, WREN, 201 NM Hwy 24, Topeka, KS 66608. 913-437-6549.

Collins 5kW transmitter. Gwen Perry, 915-550-0558."

73, Bob KI0G  
QBF? ZUE

Bob Cutter, .....Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Jim Dillon <beadgal@ptialaska.net>  
Subject: RE: AM Transmitters FS  
Message-ID: <01BB0774.B1B5C0E0@juneau\_108.dialups.ptialaska.net>

-----  
From: Bob Cutter[SMTP:bcutter@teal.csn.net]  
Sent: Friday, March 01, 1996 7:08 AM  
Subject: AM Transmitters FS

>From "Radio World", March 6, 1996:

"Gates BC-500GY 500 W AM in good condition on 1380, \$800; Gates BC-250G 250 W AM in good condition on 1550, \$500. T. Toenjes, WREN, 201 NM Hwy 24, Topeka, KS 66608. 913-437-6549.

Collins 5kW transmitter. Gwen Perry, 915-550-0558."

UPS extra on the Collins 20V3?  
73s Jim WL7CMQ

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: rsolomon@cctds.textron.com  
Subject: Amperite TDR  
Message-ID: <9602018257.AA825701877@cctds.textron.com>

Found NIB Amperite 115N0120 Time Delay Relay, Octal Socket.  
\$25 shipped OBO.

73, Dick, W1KSZ

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: AN/URM-25D: no modulation (bad caps)  
Message-ID: <Pine.SUN.3.91.960301023011.14624D-100000@coyote.rain.org>

Just got one of my URM-25D's up and producing modulation on the carrier. Turned out to be C162, C163, and/or C164. Checked everything I could but had to disassemble audio deck to get at these caps. Typical brown rectangular "postage-stamp" type paper dielectrics, pair of .1uf/400V and a .01uf/400V. Pulled & checked on LCR meter, apparently good. Replaced 'em and the little beast took right off and sang beautifully. These were all in the plate circuits of the audio oscillator, V106 (type 5814). Bad

caps were the only answer that really made sense, and must have been the culprit. Didn't want to try hooking up a scope with the audio deck partially disassembled, and stuff hanging by cabling, so I just shotgunned the replacements on those three. There are three more in the cathode lead of the cathode follower, but doubt they'll give any problems in that low-voltage circuit (I hope!). Got another URM-25D with similar problems -- audio oscillator stops after about 15 minutes, so I suspect I'll be doing the same dance again....and again....and again on the remaining four units. Can't really gripe, as these served the navy well for about 40 years!

L122, L123 are 7 uH chokes, and C168, C169 are 1000 pf feedthrus, the assembly comprising an AC line filter for the unit housed in a small box behind the front panel near the bottom left. You have to be really careful to avoid damaging the feedthrus when removing/reinstalling the unit in the cabinet. Better have replacement feedthrus handy! I also had to replace one of the chokes (burned open, obviously quick-n-dirty repaired some time ago), and simply replaced it with a used Ohmite Z-50. Shouldn't be too difficult to wind with #32 wire (what was originally on the choke form), but I didn't feel like wasting time with several units to fix. A number of units show damage to the feedthrus, so this was obviously a weak point in service. Still, the URM-25D was and is a good HF sig gen for BA work.

73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>  
Subject: Re: AN/URM-25D: no modulation (bad caps)  
Message-ID: <1C649A82E8C@sbii.sb2.pdx.edu>

Hi Ray,

Any thoughts on why the LCR meter found the caps to be working when in fact they were dead?

=Randy=  
Randy Zelick  
Dept. Biology  
Portland State University  
P.O. Box 751  
Portland, OR 97207  
503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996



From: dlkerl@elvis.b11.ingr.com (Dan Kerl)  
Subject: Re: AN/URM-25D: no modulation (bad caps)  
Message-ID: <199603012049.AA29852@elvis.b11.ingr.com>

> Hi Ray,  
>  
> Any thoughts on why the LCR meter found the caps to be working when  
> in fact they were dead?

This is a common problem one encounters with modern digital LCR meters. One must take these meters' definition of the term "working" with a grain of salt, since they don't test your typical boatanchor-application condenser at anywhere near its normal operating voltage. I use an old Eico RC bridge (the one with the eye tube - 350B?) to avoid this situation. This instrument includes a leakage test that does allow the user to apply rated voltage to the part. It's especially useful for reforming electrolytics. I suspect that those caps were leaky as hell, which doesn't necessarily preclude them appearing to have the correct capacitance. I've seen these instruments at hamfests for around ten or fifteen bucks, so they musn't be particularly rare.

Of course, if the aforementioned test instrument was in fact an Eico 350B, I'll have to stick my foot in my mouth. Again.

Dan Kerl  
dlkerl@ingr.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Sandy Blaize <70401.134@compuserve.com>  
Subject: Re: AN/URM-25D: no modulation (bad caps)  
Message-ID: <960302004652\_70401.134\_IHD27-2@CompuServe.COM>

Randy,

Today I replaced 6 caps. in my old URM-25D. 2 ea .2 @ 120v, 2 ea .1 @400v and 2 ea 0.01 @ 400v. ALL THE INFAMOUS MICAMOLD paper capacitors (Mica look-alikes!) Mine are OK if you check them! When they get hot, they leak! They have very slight leakage on a PACO capacitor checker (leakage test) when cold. The current crop of "LCR" meters do not REALLY perform a good leakage check!

My practice over the years, as regards the brown or black "MICAMOLD" paper caps is: if one leaks or is suspicious, replace them all! Always suspect them as being a problem. The caps are very hard to get at in the URM-25D's audio deck. Ain't no use going back later. Change 'em all!

Why didn't I find these bad before Ray Mote's post? Simply because they are a bitch to get to, and everytime I took the unit out of the case, the audio oscillator started functioning again when the caps cooled

down a few minutes, never to fail again.....until the unit was reassembled and heated up again inside! I ran mine for 2-3 hours this afternoon after I got rid of the Micamolds and now it seems fine.

I preached this in a former post: ALWAYS be suspicious of MICAMOLD PAPER CAPACITORS. Sooner or later, they will cause you grief.

73,  
Sandy W5TVW

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: MEC <danmec@inet.uni-c.dk>  
Subject: ART-13  
Message-ID: <Pine.3.89.9603012130.A23661-0100000@inet.uni-c.dk>

Anyone with a spare LF VFO ?

Manual ?

73 rag oz8ro

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Nick England <nick@cs.unc.edu>  
Subject: ART-13 heaven  
Message-ID: <199602292111.QAA06740@altair.cs.unc.edu>

-----  
DO NOT REPLY TO ME. DO NOT REPLY TO ME.  
MESSAGE FROM REC.RADIO.HOMEBREW  
-----

Hey, I managed to get 7 ART-13A's! 5 of them in near mint condition, two of them for parts. Also have a DRAKE 110vac power supply for the ART-13A. I will trade 3 of the nice ones in exchange for more old HF stuff. Any takers?

Mark Foltarz KA4JYV  
centrak@en.com

KA4JYV	FOLTARZ, MARK A	
ADVANCED	2058 STAUNTON	
DOB 26-JUL-1963	CLEVELAND	OH 44118

-----  
MESSAGE FROM REC.RADIO.HOMEBREW  
DO NOT REPLY TO ME. DO NOT REPLY TO ME.

-----  
From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: BC Band Command Sets: Info and Prices  
Message-ID: <199603011526.HAA10393@ix2.ix.netcom.com>

A member recently asked me about BCB Command Sets.  
I pass this along for those interested. 73  
-----

>... I gather from reading your posts  
>that you are really in to Command Sets.  
A terrible, incurable affliction, I'm afraid!

>At the last swapmeet...there were more Command Sets  
>than I have ever seen at a swap meet. Most of these  
>were modified, and the prices on them were fairly high.  
Yes, there are alot of people trying to retire  
on these poor old vets.

>(there) was a broadcast band receiver in original  
>condition and unmodified. The price on it was \$65.00.  
If this was a black Navy AN/ARC-5 R-24 with three  
antenna posts in cherry shape, then that's a good price.  
It's a rare set and if it has all the pieces, including  
the proper tube cover \*with\* the .5-1.5 tuning dial  
installed, the proper adaptor box plugged into the front  
and overall really cherry, then I would pay \$65 gladly.  
Down from there if tinkered-with or dirty.

If it's a silver BC-946, it's "middling" (not rare,  
not common) but hard to find in unmodified condition.  
I'd pay \$50 if it was really cherry, \$40/down or so  
otherwise. Note that if it's a BC-946, it should have  
a large black connector sticking out of the adapter  
box that plugged into the front of the unit. That's  
the place people chopped-up to mount controls.  
If it's just a blank panel with a handle for  
removing it, or if there are any controls there  
(other than the rare FT-260 local control), then  
it's not original and the value goes to about \$25-30.

>Why were there Command Sets that received BC band?  
The BC-946, which saw it's service almost

exclusively in Europe, did see some service for receiving 500-1500 KC directly. However, their primary use was direction finding using a ZB-series UHF converter. Homing signals in the 200-300MC band were modulated with frequencies in the 500-1500KC band. The converter received and demodulated the homing signal and fed this to the BC-946. The big black power plug in the FT-310 adapter box provided power to the converter.

The AN/ARC-5 R-24 receiver was used mostly in the Pacific and during training and patrols off the U.S. coasts.

It was primarily used for direction-finding on the BC band, which is why it has one post for a wire antenna and two posts for a loop.

I would be very interested in any Command Set for frequencies above 9 MC (other than the T-23 and R-28), good R-24s or R-25s, any transmitter for below 2.1 MC and any shock mounts, racks, control boxes or plugs.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: kenc@smartdocs.com (Ken Corwin)  
Subject: BC-224/BC-348 Receivers  
Message-ID: <199603011742.JAA12977@warp10.smartlink.net>

Hello, All-

A brief history and description of subject receivers is now available from the Boatanchors Archive. If you have an interest, it may be accessed by sending an e-mail message to listproc@theporch leaving the subject blank. In the body of the message state: get boatanchors bc348.history.

You will note that a great deal of information is still missing. If anyone has additional information to add or corrections to make, please don't hesitate to contact me. At this point in time I plan to maintain the file.

Many thanks to all who contributed.

Ken Corwin (kenc@smartdocs.com)

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: KC5IJD@aol.com  
Subject: British Mark 128  
Message-ID: <960301082246\_235030843@mail06.mail.aol.com>

The set that I thought was a Wireless 88, is actually, I have been told, a Mark 128.

The set consists of two small black boxes - a transmitter and a receiver. Receiver covers 2 - 8 Mc in two bands. Has a BFO. Transmitter is CW only and crystal controlled with two styles of crystal jacks on the front panel. A key, headst and antenna wire are in a side pouch. There is another pouch on the opposite side. A flap covers the front of the receiver and transmitter which both fit in the center of the bag. Looks WWII vintage.

Anyone have any information about this set? Use? Value? etc.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: MEC <danmec@inet.uni-c.dk>  
Subject: Re: British Mark 128  
Message-ID: <Pine.3.89.9603011818.A7405-0100000@inet.uni-c.dk>

> The set that I thought was a Wireless 88, is actually, I have been told,  
> a Mark 128.  
>  
> The set consists of two small black boxes - a transmitter and a receiver.  
> Receiver covers 2 - 8 Mc in two bands. Has a BFO. Transmitter is CW only  
> and crystal controlled with two styles of crystal jacks on the front  
> panel. A key, headst and antenna wire are in a side pouch. There is  
> another pouch on the opposite side. A flap covers the front of the  
> receiver and transmitter which both fit in the center of the bag. Looks  
> WWII vintage.

It is post war , used by the SAS under clandestine operations.

>

73 Rag OZ8R0

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: David Josephson <david@josephson.com>  
Subject: Re: Cleaning chassis etc, mineral deposits  
Message-ID: <199603011020.AA23399@foxtrot.rahul.net>

Barry Ornitz as usual provides enlightening information, this time about minerals in water. We have not very hard water here, but there are still plenty of minerals in it, such that a white deposit is left on brass, stainless, etc after parts are washed. Rinsing in distilled or deionized water does not remove the deposit. Must I use an acid dip before the DI wash?

--

David Josephson / Josephson Engineering / San Jose CA / david@josephson.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: BHall88620@aol.com  
Subject: Collins Collectors Association  
Message-ID: <960301213212\_157865454@emout09.mail.aol.com>

I picked up the following from rec.radio.shortwave. To save precious resources ('cause 1k here = 1000k on the list, ouch!), I haven't posted the entire thing to the list. If you are interested, check out rec.radio.shortwave, write to the address, or e-mail me and I'd be happy to pass along a complete copy.

--begin-included-text-here--

Collins Collectors Association  
Frequently Asked Questions (FAQ)  
(Updated 3/96)

What is the Collins Collectors Association?

The Collins Collectors Association (CCA) is a not for profit organization dedicated to supporting Amateur Radio operators who share the opinion that Collins Radio made the very finest amateur communications equipment available. The Associations root's can be traced back to February of 1988 when Bill Wheeler, KDEW organized a 20 meter NET made up of 17 like minded Collins users. That small group grew to over 1,200 by 1993.

The purpose of the Association is to:

- Promote the care and use of Collins Amateur Radio Equipment

- Preserve the history and lore of Collins Radio Equipment
- Provide an information archive for Collins Radio Equipment

--S-N-I-P--

Annual dues are \$15 for those living in the US and Canada and \$18 elsewhere. Again, this includes the membership certificate and our quarterly newsletter, The Signal.

Mail your remittance in US funds to:

The Collins Collectors Association  
PO Box 840924  
Pembroke Pines, FL 33084-0924  
E-Mail: collins@exis.net

--end-included-text-here--

73,  
Ben  
---  
Bhall88620@aol.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: "Collins Collectors Association" <collins@exis.net>  
Subject: Collins F.A.Q.  
Message-ID: <199603012245.RAA13010@marlin.exis.net>

Collins Collectors Association  
Frequently Asked Questions (FAQ)  
(Updated 3/96)

What is the Collins Collectors Association?

The Collins Collectors Association (CCA) is a not for profit organization dedicated to supporting Amateur Radio operators who share the opinion that Collins Radio made the very finest amateur communications equipment available. The Associations root's can be traced back to February of 1988 when Bill Wheeler, KDEW organized a 20 meter NET made up of 17 like minded Collins users. That small group grew to over 1,200 by 1993.

The purpose of the Association is to:

- Promote the care and use of Collins Amateur Radio Equipment
- Preserve the history and lore of Collins Radio Equipment
- Provide an information archive for Collins Radio Equipment

What are the benefits of belonging to the CCA?

For the active Collins user, belonging to the CCA can be extremely beneficial. Our membership has a vast collection of printed matter relating to Collins Radio including both technical and promotional material. A simple verbal request on any one of our 3 nets for technical information or a service part can result in half a dozen or more offers of help. We also have an informal group of extremely capable "Senior Technical Staff Advisors" who work on a volunteer basis to help members solve what can be complicated technical problems encountered in Collins amateur products.

An added benefit, members receive our quarterly newsletter, The Signal. They also receive a handsome, numbered membership certificate suitable for framing. The CCA offers other Collins related items available exclusively to members such as extremely high quality QSL cards, CCA name badges, tee shirts and other memorabilia.

Because the CCA stands for and promotes gentlemanly and amateur-like operation there is a real opportunity to share in quality fellowship with other CCA members. You may even meet a few of our members who were employed by Collins Radio and were instrumental in designing, producing, marketing and supporting Collins Radio equipment. Some of those members are Warren Bruene, W50LY who designed, among other things, the 30S-1 linear amplifier and 30K-1 transmitter and was Collins most tenured employee having retired in 1984. Member Dennis Day was one of the prime engineers on the 75S-3 and Gene Senti was the designer of the KWM-2, 30L-1 and KWS-1. We are proud to have these fine gentleman who have both directly and indirectly contributed much to amateur radio.



For those who may wish to add to a station or collection, the CCA attracts an elaborate and reliable network of equipment sellers as well as members who may be interested in selling or trading their own gear.

How does one become a member of the Collins Collectors Association?

Any person who has an interest in Collins Radio is welcome to join us. Annual dues are \$15 for those living in the US and Canada and \$18 elsewhere. Again, this includes the membership certificate and our quarterly newsletter, The Signal.

Mail your remittance in US funds to:

The Collins Collectors Association  
PO Box 840924  
Pembroke Pines, FL 33084-0924  
E-Mail: [collins@exis.net](mailto:collins@exis.net)

We support a 2-way exchange of information with our membership and encourage everyone to share their experiences. The Association offers the best benefit and value to all when members share their Collins related experiences and situations.

How do I stay in touch with and participate in the CCA?

Besides our quarterly newsletter, the CCA currently has 3 affiliated nets which meet weekly. They are as follows:

The 20M net meets every Sunday on 14263 at 2000UTC. This is our formal, directed net which usually has the greatest number of check-ins. It is dedicated to both technical subjects and the listing of equipment buy/sell opportunities.

The CCA also supports two weekly 75M nets. The first meets Tuesday nights on 3805 at 0100 UTC and the second meets Thursday nights on 3875 also at 0100 UTC. The 75M nets are designed to be informal with open discussions and the least amount of structure possible.

-----  
Collins Collectors Association

E-Mail: collins@exis.net  
Home Page: Under Construction

Collins Radio - "Creative Leader in Communications"

-----x Reply Separator x-----

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Stanley Siegel <SIEGELS@turing.law.nyu.edu>  
Subject: Collins items FS  
Message-ID: <s136dbc5.004@turing.law.nyu.edu>

I will be advertising the following items in the Yellow Sheets in the next issue, but if anyone on the list is interested, please email me directly:

1. Mobile mount for the KWM-2: this unit is new in the box, complete with all parts (including the KWM-2 attachment bolts) and manual. With it comes a free MP-2 (12 volt) power supply in good condition. \$250 plus shipping -- it's heavy.
2. DX-engineering processors for the 32S and for the KWM-2, in perfect condition. I have a manual copy for the first. Last time I posted these I had a lot of requests for the manual, but no sale. \$175 each.
3. A very late (37000+) KWM-2 (not the 2A), in extremely fine condition (electrically and cosmetically), except that the plastic trim ring has yellowed. This, plus a PM-2 and a Samsonite CC-2 (WE) carrying case, \$1,100 plus shipping.

Reasons for sale: one or two radios too many.

Thanks. Stan siegels@turing.law.nyu.edu

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Jack Ray <k4mzw@akorn.net>  
Subject: Command sets  
Message-ID: <199602292120.QAA11465@paris.akorn.net>

Will the person who made the post about the third party with reasonable command sets, please re-post.

Thanks,,,,,,,,,,,,, Jack

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Chuck Rippel" <crippel@exis.net>  
Subject: Crystals  
Message-ID: <199603010324.WAA22064@marlin.exis.net>

Peterson Radio, a crystal manufacturer is still in business. One of the Collins group recently did some business with them with excellent and reasonable (pricing) results.

Here is the phone number:

(712) 323-7539

-73-

+++++

Chuck Rippel  
crippel@exis.net

+++++

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Barry L. Ornitz" <u856010@eastman.com>  
Subject: RE: Dishwashing Stuff (Water Conductivity)  
Message-ID: <Pine.ULT.3.91.960229162208.15083A-100000@dua150.kpt.emn.com>

On Thu, 29 Feb 1996, Jim (W1EQ0) wrote:

> I haven't been following this thread, so this may not be new. Most water  
> in the US is an electrolyte. Only Boston, MA, which gets its water in  
> western MA is not conductive. I have been told that Portsmouth VA has  
> the same situation.

What value of resistivity that determines whether water is conductive or not is subject to question (1E9 Ohm-cm or 1E15 Ohm-cm), but for practical purposes ALL tap water should be considered conductive and all natural water sources contain electrolytes. Even distilled water will absorb carbon dioxide and other gases from the air and become slightly conductive (and its pH goes down too). Extremely high purity water is, in fact, extremely corrosive to virtually all metals.

To bring this back to boatanchor cleaning, ordinary tap water is probably fine unless it is extremely hard like mineral water. However, after washing and rinsing the equipment, a final rinse using distilled water or

deionized water should be performed. Just remember to dry things thoroughly before powering them up - and this can mean DAYS not hours at elevated temperatures.

As a general rule, I try to avoid washing equipment unless it is extremely dirty. Taking things like transformers and chokes out before the wash is often a good idea. Hermetically sealed military transformers are the exception. Remember phenolic impregnated paper was a common insulating material in early equipment, and wax covered paper capacitors were common. You run a real risk of damage when washing these.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: jmartin@hrlban1.aircrew.asu.edu  
Subject: First radio experiences  
Message-ID: <SA39+uCqBla@hrlban10.alhra.af.mil>

Regarding radio in our formative years, this is a long story but, I think, an interesting one. My first exposure to radio was in one of those "twelve (or however many) projects in one" kits for Christmas one year... the kit with all those blue wires having little forked clips on both ends, interconnecting metal posts on a baseboard in different ways according to paper templates that fitted over the board. Among other things it could be configured as a crystal set or a one-transistor radio, neither of which pulled in any more than the local radio station KWAD (whose callsign was the brunt of a few jokes). A few years later I rescued a 1930s tombstone battery set from someone's trash, begged some weak but usable telephone batteries from a friend's dad (who worked at the local telco switching office) and rushed to hook it up. I wasn't quite sure what I was doing and applied 90v to the filaments, which all emitted in a blaze of glory for a fraction of a second. I had no idea where to get more tubes, so out it went (and my mom was glad to have that 'dirty old radio from someone's trash' out of the house). Then began more of my electronic retrievals from the dump, which I recounted here 2 days ago. My parents decided I must be interested in this stuff, so the next Christmas my dad splurged and gave me a new Knightkit Star-Roamer SW kit from Allied Radio (probably with relieved approval from my mom for 'sanitary' reasons).

Wow, that was a dream come true! I spent all my spare time over the next couple weeks holed up in my room putting it together. My dad stretched an antenna wire out to a pole in the far corner of the back yard, I listened to the world on those cold winter nights, and I was hooked. Jumping back a bit in time, down the alley on the other side of the block from us lived a elderly Swedish family who had a son who had been paralyzed from the neck down due to polio when he was 18. I had first met him when I was about 5 and wandered down the alley one summer day, and he happened to be outside in his wheelchair. We gradually became best of friends; his parents cared for him at home, rather than institutionalizing him. He was dependent on

respirator equipment for breathing, but became an accomplished oil painter, using a brush between his teeth. Jumping forward in time now, it came time for me to go to college, where I joined the college radio club and got my novice ticket in 1972 (WN0GSQ). I built my own transmitter and used a BC-348. The head of the club (K0EAU) had a Mosley Classic 33 beam about 60 feet up on the roof of a dormitory, and he had a Drake transceiver with Heathkit linear as I recall; he got out pretty well. He moved to a new job the next year and didn't want to drag his beam along, so he sold it to me for \$60.

When I came home on semester breaks I would go visit my handicapped friend as well, and I told him about ham radio and how it could allow him to roam the world, so to speak. He became interested, but had reservations because he couldn't send code; I told him maybe the FCC examiner would waive the sending test if he could prove he could listen and 'copy' at speed.

I wasn't using the beam, and I offered to loan it to him indefinitely if he got his ticket. He had lots of time on his hands and started studying books I gave him. Not that studying was an issue; he was sharp as a razor and beat the pants off me at chess \*every\* time... and I had to move the pieces! A short time later he got his general (code sending waived), and decided to go for his advanced... he skipped over that and got his extra in six months. Those were the days when one could chose their call, and he chose AE0T. His cousin owned a TV shop and put up the biggest tower available, and my beam went on top. His rig was a small solid-state autotune ssb xcvr (can't remember the model), and I rigged up a reversible motor driving a belt around the main tuning knob, which he controlled by pushing microswitches using a stick between his teeth so he could tune around the bands. Same control setup for rotating the beam, all in front of his face (along with the mic).

He was able squeeze his right thumb and forefinger slightly, so I built a leg band with a cradle to hold his right wrist and hand in position so he could squeeze a paddle on a microswitch and key his rig. The farthest QSO he got was in the UK, and he was radiant over that one. Then his parents died, he had to be institutionalized, and within six months he was dead from pneumonia... he couldn't cough, and his lungs filled up. His cousin returned my beam, but I never used it and eventually sold it. I still have my homebuilt transmitter, and only recently got another BC-348 to replace the one that slipped away many years ago. There are some strong memories here. (I still have the Star-Roamer; it still works. And I have his painting of mallards flying out of a marsh; individual quills are visible in the feathers.)

73, John Martin

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996

From: "Allan Fritsche" <fritsche@msn.com>

Subject: First receivers, Good to hear from you

Message-ID: <UPMAIL03.199603020033380992@msn.com>

Glad to hear some responses from our friends over there. I got to tell this story even though it's embarrassing to me. After my Dad bought me the NC-60 (BTW I paid him back), I decided that it didn't work right., So I took out all the tubes and breadboarded the thing using a Block diagram from a early 1960 Pop Electronics Mag. on dual conversion receivers. Being 13 years of age I didn't realize that a block diagram was just that. At any rate, I had hooked up the filaments to 110 AC and after plugging in never saw so many sparks in my life. (I think then i was hook on radio). At the same time I had a great crystal set, you know the kind that attached to the mattres spring coils, I had stolen enough flyback transformers to have a coil of wire at least a mile long. I strung through the trees behind our little frame house and could pick up one or two stations in Dallas, 250 miles away. But the ultimate humility was when my Dad helped me finance a R-100A back about 1961. It arrived right before Christmas that year as I recall. Gee Whiz , what was a printed circuit board. ?. By then I knew or thought I knew how to solder. and follow instructions. naturally, i soldered in the PCB bandswitch upside down. Only Allied would make the top and bottom identical.

Try to get 50 conncections undone from the older type PCB's, even today.

Finally , I had to bow to the nearest TV repairman and he kept it for a while and got it working. Dam I wished I still had that set. It's probably still floating around some where in the Houston area.

So, Iam still looking for a NC-60, any shape and a R-100A.

Who's Got

fritsche@msn.com  
713-937-6044

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: "Collins Collectors Association" <collins@exis.net>  
Subject: Free 75A-4 document  
Message-ID: <199603012246.RAA13063@marlin.exis.net>

Recently, one of our members donated a copy of an original document pertaining to the Collins 75A-4 receiver entitled:

"Production Test Procedures for the 75A-4" This multi-page document was dated Nov 3, 1954 with at least one revision.

In keeping with our mission to make available Collins related information to as wide a distribution as possible, the Collins Collectors Association will offer this document at NO CHARGE to anyone who wishes a copy.

Simply send a business sized SASE with .78 postage affixed to:

The Collins Collectors Association  
PO Box 840924  
Pembroke Pines, FL 33084-0924  
E-Mail: collins@exis.net

We are in the process of polling our members for technical, sales and promotional material for all Collins Amateur products. We are now working with a University to archive and store copies of this material. It is our intent to place these valuable documents in a retrievable format at the University WWW site so that they may be shared without cost to those who might appreciate or have need of them.

If you are interested in becoming a member the Collins Collectors Association, please drop us an E-Mail and we will send our FAQ back to you.

-73-

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Collins Collectors Association

E-Mail: collins@exis.net  
Home Page: Under Construction

Collins Radio - "Creative Leader in Communications"

-----x Reply Separator x-----

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Chris Terwilliger <zoom@willow.sps.mot.com>  
Subject: FS: FLdx400/FRdx400  
Message-ID: <Pine.SUN.3.91.960229140159.13415E-100000@willow>

For sale, shipping extra:

Yaesu FLdx400 transmitter. Excellent condition, works, with original manual. AM, SSB, CW, 80/40/20/15/10 + 3 aux channels. Very clean, all original, no mods except two small holes on top where someone mounted a fan.

20m or 40m sked if you want to hear it the air...

Yaesu FRdx400 receiver. Excellent condition, works, with original manual. CW, SSB, AM, FM, 160/80/40/20/15/10/WWV/CB + 4 channel xtal control board. Very clean, all original, no mods except wrong feet

on cabinet. Includes 600Hz, 2.4Khz, 5Khz, 24Khz filters, FM board, 100Khz/25Khz marker, 6m and 2m converters.

These are hybrid radios with tubes & transistors galore. They represent the beginning of the end for American amateur radio manufacturing.

\$400 for both, I will not split them up.

Chris Terwilliger, AA7WD  
aa7wd@willow.sps.mot.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
Subject: FS: HRO-7

National HRO-7 receiver, with A, B, C, and D coil sets and recapped doghouse power supply. Original manual is in mint condition.

Good external condition with some minor scratches. Plating on coil latches shows wear as does main tuning knob skirt. Excellent/clean internally and in good working order. Completely functional and if anything, may need only minor alignment.

\$200 plus \$10 for double wall box, bubble wrap and peanut packing, and UPS shipping from Northern Virginia.

Tony Stalls, K4KY0  
rstalls@CapAccess.com

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "F r6fqHo!ht" <75121.100@compuserve.com>  
Subject: FT-243 and MC-7 xtal holders  
Message-ID: <960301095127\_75121.100\_FHI37-1@CompuServe.COM>

To hte gang!

I was pleasantly surprised monday night when I turned on my Collins and



lo and behold I heard (for the first time this year) AM on 2875. I was listening to a California ham talking to a W9 ham. I was totally surprised that I could hear Wisconsin on 2875. Of course I was in the terminator (6PM here) and the conditions didn't last very long. It sure convinced me how good AM sounds over SSB. I also overheard about 15 other SSB'ers on a net not far off that frequency 2870, ( All California people. ) Is this normal propagatino for this band or is this a fluke?

The main reason for posting this message now is that I found some FT-243 crystal holders that I most likely will not use. I don't know what radios use these and I see periodically someone wanting these but I have not kept a file of those people most desirable.

I found about 30 at frequencies that are probably in the Marine band.

Perhaps the holders would be good as replacements or at least stock for someone who wants to grind his own crystals. Not too many people do that anymore.

I also have a few sockets for these. Some ceramic, some phenolic and some dual crystal holders.

I also have some MC-7 crystal holders. They are about twice the size of the FT-243 and are made by Texas Crystals. The cover for this crystal is on the top instead of the front like the FT-243.

The MC-7's also look like they are in the Marine band also.

\*\*\*\*Any interests and I will provide physical measurements, size and such. \*\*\*\*

Regards from Honolulu, Raymond J. Cote

ANYTHING NOT WORTH DOING IS WORTH NOT DOING WELL!  
and  
WHEN YOU DON'T WANT TO DO IT, ANY EXCUSE WILL DO.

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: w7ni@teleport.com (Stan Griffiths)  
Subject: Re: FW: dish washing stuff. Beware!  
Message-ID: <199603010017.QAA11132@desiree.teleport.com>

>All this risk of damage to eqpt is undoubtedly due to the detergent compound,  
>not the dishwasher itself. After all, if you have to hide it from small  
>children because it's poisonous, you know it's very reactive. Anybody know  
>what the composition of dishwashing powder is? Different brands must have  
>different compositions. Any chemists out there who could comment on this?  
>We're all homebrewers of one sort or another - maybe someone in the group can  
>formulate a special BA dishwashing compund...

>Reactively,  
>Ross/KB9JJR

Hi Ross,

There at least two other problems with washing BAs in a dishwasher beside the detergent:

- 1) Impurities in the water, itself.
- 2) Possible excess heat in concentrated areas tending to melt plastic parts.

There may be other problems as well.

Stan w7ni@teleport.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: HRO-7  
Message-ID: <53459.ddillman@igc.apc.org>

NOTE: The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: zut@cais.cais.com <zut@cais.cais.com>  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: GC Tube Puller ?  
Message-ID: <825708411.0099186@AppleLink.Apple.COM>

Greetings all -

I came across a very interesting little item yesterday, while gathering some "1" series tubes (1A3 & 1R5) at OEM Parts. It's a Tube Puller, manufactured by General Cement Manufacturing Co. of Rockford, Ill. This one is a number 5093, for 7 pin miniature tubes. It's a very ruggedly constructed machined (lathe turned) conical aluminum sleeve with a rubber boot inside and a plunger to push the tube out once extracted. It appears to be NOS, in the original, tube sized, box.

The method of operation appears to be for the internal rings on the

rubber sleeve to slide over the outside of the tube as the puller is pushed on and then grab the envelope as the puller is pulled.

Anyone have any experience with one of these fellows?

-df

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Chuck Penson <penon@sci.mus.mn.us>  
Subject: Heath guide errata  
Message-ID: <3136564A.3384@sci.mus.mn.us>

Gang,

I am compiling a list of errors that crept into the Heathkit guidebook, and I would like to know if those of you who have a copy have discovered any factual errors. I think I have found most of them, but I am sure there are a few others. I am not interested in typos, only in errors of fact.

When I have what I think is a pretty complete list I will publish it here so you can make the corrections in your book.

Thanks!

--

Chuck Penson  
Education Division  
Science Museum of Minnesota

penon@sci.mus.mn.us  
612.221.4510 voice  
612.224.5092 fax  
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: I B A Happy Boy - Rare Command Set Found  
Message-ID: <199603011945.LAA02212@ix4.ix.netcom.com>

I'mma happy boy....

Just found two very rare pieces. First is the R-3/ARR-2X navigation receiver. This is the 14 VDC, 143-160 MC job. Does anyone have any info about this unit?

But even better is the Aircraft Radio Corp R-13. Not the gray Type 12, but the black R-13 with the 108-135 MC tuning dial on the front like other Command set receivers. This one is serial #58 and pretty rough, but recoverable.

I need info on this early, rare R-13. The adapter box has been removed as well as some of the components under the chassis. Does anyone know what kind of adapter box this unit used? Is there any information available out there?

Also, I'd like to purchase or trade for a grey Type-12 R-13. Anyone got one to part with?

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: alexp@rica.net (Alex Phillips)  
Subject: I think you have the wrong address  
Message-ID: <19960301205449893.AAA150@har-ns2>

You have sent mail to the address dee.w4pnt@rica.net and it keeps bouncing.

Not sure who you are trying to reach. Please stop sending mail to this address.

Best Regards,

Alex Phillips  
Administrative Support  
Rockingham Internet Community Access

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: mack@mails.imed.com

Subject: Interesting Sandbox

Message-ID: <9602018256.AA825699351@mails.imed.com>

<snip>

> 200 MW out 2-30 Mhz SSB, AM, and CW.

<snip>

>plus UPS on 60 pounds

WOW!!!! 200 Mega watts and from a 60 pound sand box!

(Did he perhaps mean 200 mW??)

Ray Mack

WD5IFS

mack@mails.imed.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996

From: dt@scotborders.co.uk (David Topham - Arts & Science)

Subject: Re: Interesting Sandbox

Message-ID: <9603011526.AA12163@scotborders.co.uk>

Ray Mack said:

><snip>

>> 200 MW out 2-30 Mhz SSB, AM, and CW.

><snip>

>>plus UPS on 60 pounds

>

>WOW!!!! 200 Mega watts and from a 60 pound sand box!

>(Did he perhaps mean 200 mW??)

No, he meant 200MW "PIP" - Peak Infinitessimalttime Power. It is a PR unit used by rice box mfrs....

73 David Topham GM3WKB dt@artscience.scotborders.co.uk

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996

From: Jim Dillon <beadgal@ptialaska.net>

Subject: Lafayette HE-10/KT-200/Trio 9R-4 FS

Message-ID: <01BB06F4.AF3825E0@juneau\_43.dialups.ptialaska.net>

Fellow Questors-

This is the early Sixties rig that looks like an S-38 on steroids. Sold = in Lafayette catalog for \$54 kit, \$69 assembled (HE-10). It was made in =

Japan

by Trio (Kenwood to us Yanks). S40 circuit hypoed with 6BE6s.

One of my favorite (looking) shelf BAs-lousy radio.

But I had to have one, glad I got it, and if you want one contact

W.J. Ford Surplus in Smith's Falls Ont      testequi@magi.com

There's is a Trio brand (9R-4) and they ask \$85 Canadian (.75 = exchange).

\*Do Not\* try to ship via UPS into US. You will regret it.

Two Words: Post Office

Don't contact me re: above. Just saw it on the street.

They also have an S-53, an overpriced HQ-100, and 50 megatons of H-P and = GR. Ever wonder what happened to all the war surplus from a country that hasn't had one in 50 years? Ford's got it.

Jim Dillon WL7CMQ      beadgal@ptialaska.net

desperately seeking =

National NC-100X

RCA ACR-111 Skyriders

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996

From: Jay Coward <jayc@hpmsd2.sj.hp.com>

Subject: manual needed

Message-ID: <9603010040.AA12564@hpmsd2.sj.hp.com>

Greetings to all,

I recently aquired a very nice Hallicrafters S-53A. Interesting in that it uses 4 octal and 4 seven pin mineature tubes. It works well and cleaned up nicely with just a damp cloth. Only thing not working is the BFO. Could be that it just needs an accurate alignment.

Anyone have a spare manual or SAMS? Will gladly pay for copying and postage.

Thanks in advance.

73 Jay KE6PPF

--

---

HEWLETT	John Jay Coward	39201 Cherry Street	MS NK10
PACKARD	jayc@hpmsd2.sj.hp.com	Newark, California	94560
Communications Components Division		510-505-5614	Fax 510-505-5560

---

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996

From: "Barry L. Ornitz" <u856010@eastman.com>

Subject: Minerals in Water (Washing Boatanchors)

Message-ID: <Pine.ULT.3.91.960301143149.15767B-1000000@dua150.kpt.emn.com>

David Josephson asked about

> a white deposit is {that is}  
> left on brass, stainless, etc after parts are washed. Rinsing in  
> distilled or deionized water does not remove the deposit. Must I  
> use an acid dip before the DI wash?

We have the same problem here in Kingsport, TN. Don't use an acid dip. Instead after rinsing with tap water, immediately rinse with distilled or deionized water. Do not let the tap water dry first.

Carbonated water (seltzer water) is slightly acidic but generally not enough to hurt most metals. You might consider using this before the final rinse but I doubt it is necessary. DO NOT use carbonated mineral water or naturally carbonated water!

There is no way I would ever consider using a dishwasher. The pressure and temperature are excessive. Treat the boatanchor like a baby - be very gentle with it.

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: jmartin@hrlban1.aircrew.asu.edu  
Subject: more 4C35A stuff...  
Message-ID: <SA39+vfXBla@hrlban10.alhra.af.mil>

Sandy Blaize wrote:

We used (the 4C35A) in a lot of radar transceivers. It is a hydrogen thyatron and commonly used as literally a high speed switch to discharge the pulse forming network of a radar transmitter modulator. Many amps for a couple of microseconds or less!

=====

Mine came out of an APS-31 radar, along with a trio of 1616 halfwave rectifiers and more 5R4s and 6L6GCs (ST envelopes no less) than I bothered to count. The networks around the 4C35 definitely are pulse in nature. Some \*very\* high voltage relays in there as well.

73, John Martin

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: rsolomon@cctds.textron.com  
Subject: More Manuals-Part III  
Message-ID: <9602018257.AA825702176@cctds.textron.com>

Found some more, they seem to be everywhere !!

Tektronix manuals, excellent condx

Type D Plug-in	\$12	
Type CA Plug-in	\$15	
Type 1L20 Plug-in (Spectrum Analyzer)		\$25
Model 585 Oscilloscope	\$20	

Prices include cost of mailer and postage.

Hewlett-Packard manuals, fair to good condx

Model 608C	\$20
Model 608D, some water stains	\$15

Prices ... etc

ST7-180-FY73 Infantry Communication Data Training Document

No idea what it was used for, but does contain some info on military gear. I assume it was used for training purposes (swift ain't I) !!

\$20 shipped OBO

73, Dick, W1KSZ

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: BHall188620@aol.com  
Subject: More NC-100A questions!  
Message-ID: <960301153804\_337987229@mail02.mail.aol.com>

Hi Folks...

Been looking more and more at the NC-100A I bought a few weeks ago. Now that I have a schematic, several more questions have arisen.

First, the power supply does have a 20H choke in line with the B+. The set was also designed to provide excitation for a 500 ohm speaker field coil.

Since the supply has a choke, can I replace the 500 ohm field load with a 500 ohm 10 watt or so resistor or do I need to replace it with a choke (like an RS 70volt PA x-former)? Simplified schematic below:

16uF  
xformer center>---+-----+---||-----+---->B+ to set  
tap | | |



```
80 filament>
connection
```

Second, what impedance should the output transformer primary have? I looked through the RCA manual's 6F6 pages and my guess is that around 7000 ohms would be appropriate. (the NC-100A I have has a single 6F6 output, not push-pull) Therefore, would an AES universal output transformer with a Primary Impedance range of 4000 to 10000 ohms (stock#PT-291) and an 8 watt 8 ohm secondary rating work well?

Thanks in advance for any information. As most of you recall, I am working on a ground-up restoration on the SX-24. Due to a very busy week at work, not much has gotten done on it. Plus, now that I have the National I am splitting the time between the two. The National is cosmetically good, and so far no problems reforming the electrolytics. So far I have only had them up to 40volts, but at least they are not shorted. (How long do I leave them at this voltage before I raise the voltage?) However, some goofball modified it to not use the 6F6 output for some unknown reason. It looks like the person before me added a second headphone jack in the rear of the set connected to the front head phone jack, and used that for audio out. He/she also added a 5000 ohm resistor to the headphone jack (to provide load for the 6F6, I think). I will restore it to 6F6 output... He/She also removed the 4 prong speaker plug in favor of an octal plug, which he/she then modified to act as a battery input. Everything was neatly done and I won't have much problem pulling any of it out.

Bhall188620@aol.com - Benjamin.D.Hall1@jsc.nasa.gov

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: USSAILIS@forum.phast.umass.edu  
Subject: NC-100 Value

Message-ID: <01I1TI100U02008HB9@rfd.oit.umass.edu>

What is an NC-100 worth? It doesn't work. Noticed a leaking paper cap. Strange tuning mechanism binds, needs grease and TLC. Case is VG.

Jim, W1EQO  
ussailis@forum.phast.umass.edu

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: kb0qil@kb0qil-uhf.ampr.org  
Subject: Need 5837 "Lighthouse" tube  
Message-ID: <871@kb0qil.ampr.org>

All, thanks for reading this.

I am in need of a 5837 lighthouse style tube. This is the second request. If anyone has a 5837 tube they can spare please contact me.

Thank you all very much.

73's Dan

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Need Copies of Radio-Craft  
Message-ID: <Pine.SV4.3.91.960301133825.21798A-100000@mesa5.mesa.colorado.edu>

I need copies of the December, 1930 and August, 1931 issues of Radio-Craft. I'd be willing to buy, or borrow, those issues.

Thanks.

Jim Rybak W0KSD

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: roecker.greg@ist.vf.mmc.com  
Subject: picture perfect!  
Message-ID: <Chameleon.960301204353.greg@bldg27.acc.vf.mmc.com>

Hello from Atlanta . . .

Well, I never seem to be in the right place at the right time. I have been to Hamfests . . . scoured the yellow sheets . . . and placed my adds . . . and have

come up empty . . .

And then, I found what I've been looking for!!! . . . on page 17 of the February 1996 Electric Radio; lower photo . . . in the back of the pickup truck . . . on the tailgate, next to what looks like a Johnson Apache . . . My Central Electronics 200V!!!!!! I guess in my search, I missed the Grays Lake, Illinois hamfest . . . . How could I have overlooked that one!!!!

Oh, well . . . I'll keep looking . . . by the way, does anyone out there have a CE 200V that needs a good home??? . . . I'm still looking for one!!!! . . . if you do, please reply via email, or call collect, and state your price . . .

I wonder what will show up in next months picture pages . . . huuummmmmmm???

Thanks, and 73,

Greg Roecker  
N4OSJ  
roecker.greg@ist.vf.mmc.com  
770.552.0640 (Atlanta)

-----  
Name: greg roecker  
E-mail: roecker.greg@ist.vf.mmc.com  
From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Allen Tucholski <allent@en.com>  
Subject: R-25-ARC 5 Receiver Sale 1.4-3.0 Mhz Mint /with Dynomotor  
Message-ID: <199603010002.TAA06495@en.com>

Hello all, I have a Mint condition R-25 ARC 5 Receiver forsale / Trade.  
Black wrinkle paint, JAN Navy Markings 1.4 -3.0 Mhz, all original, inside  
and out.  
Never serialized, or put into service. Dyno motor on back of unit.

Best Offer + shipping

Allen

-----  
NASA Lewis Research Center  
Cleveland, Ohio

e-mail  
allent@en.com

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: don merz <71333.144@compuserve.com>  
Subject: R-892/URR-44 Info Wanted  
Message-ID: <960229221526\_71333.144\_DHB74-1@CompuServe.COM>

I found an odd receiver here and was wondering if anyone had any information on it. It is military, Navy Bureau of Ships R-892/URR-44, part of AN/URR-44. It covers .54 - 18mcin 4 bands and was made by General Instrument Corp. Ayone know anything about this one?

Thanks.  
Don, N3RHT  
71333.144@compuserve.com

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "F r6fqHo!ht" <75121.100@compuserve.com>  
Subject: radioactive gas tubes  
Message-ID: <960301095141\_75121.100\_FHI37-3@CompuServe.COM>

In addition to the tubes already listed, those of us that use GLOW DISCHARGE DIODE regulator tubes should be very aware that many of them have some small amount of radioactivity also including the following.

0A2 already mentioned  
0A3  
0B2  
0C3  
0E3  
0G3 (5783 WA)  
395 A (5823 GAS TRIODE)  
85A2  
6143 (HAVE GE)  
6081  
MPT47  
MPT47 B

These I have and I know that they are RA. Others from previous postings are also RA. We should all keep a copy of the complete list in case we break one. If one uses his fingers to pick up the pieces, do not rub your eyes, bite your nails or pick your nose or especially breath the dust. Very special care must be exercised, and follow the directions in previous messages for sealing the glass and parts in plastic (double plastic bags).

Regards from Honolulu,  
Raymond J. Cote

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: flanders@GroupZ.net (Jerry Flanders)  
Subject: Re: radioactive gas tubes  
Message-ID: <199603011628.KAA29540@uro.theporch.com>

>...those of us that use GLOW DISCHARGE  
>DIODE regulator tubes should be very aware that many of them have some small  
>amount of radioactivity ....  
>  
>... in case we break  
>one. If one uses his fingers to pick up the pieces, do not rub your eyes, bite  
>your nails or pick your nose or especially breath the dust. ...

>Regards from Honolulu,  
>Raymond J. Cote

-----  
Raymond, what happens if I am not careful? Presume I pick up the pieces  
without gloves, then bite my nails while simultaneously breathing the dust?  
Then what?

73's

Jerry        W4UKU        South Carolina        flanders@groupz.net

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Michael.J.Knudsen@att.com  
Subject: Re: RE synchronous detector  
Message-ID: <9602292108.AA21002@bock.ih.att.com>

I have a semi-working CV-157. Don't know how available they are,  
but their ungodly weight and tendency to break down and be unrepairable  
probably have not helped. A truly amazing machine, with motor-driven AFC,  
can function as more-or-less synchronous detector (with BOTH sidebands  
available separately), exalted-carrier detector, or plain old SSB with  
local built-in BFO.

Those who have had one working report that you can tune in a SW AM broadcast  
station, feed each sideband into one side of a stereo headset, and as the  
sidebands selective-fade in and out, the sound swirls around in your head!  
But whichever sideband is currently coming thru clean, will carry the  
intelligence to you -- using your auditory cortex as a diversity switch  
(which it does very well).

There are smaller versions, also built for the R390 family, but they don't

have all the capabilities.

If you want to drive to near Chicago, I can give you a really sweet deal.  
73, mike k aa9rg

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: ks0f@i1.net (MIKE SANDERS)  
Subject: Sandblasting?  
Message-ID: <199603020042.SAA29527@mail1.i1.net>

Greetings All,

Have a local outfit that does cabinet refinishing who are going to look at my "radio boxes". I am going to send out the cabinet and panel on my HR060 project rx to be done before I do the others. They said they did sandblasting as preperation but it was sent out for this. My question about bead blasting was not understood but will be clarified by them from their blasting contractor. My question is, if they only do sandblasting is that safe to do with these cabinets or should I decline their services and wait for bead blasting? I am not sure where I have seen it written but seems there was some negative comments about sand blasting on radio cabinets. These folks say they will match any color/s as long as they have a "chip". I am getting a price on the HRO cabinet before work of course. Any other tips would be appreciated. I will probably do the lettering myself with paint stick. What about clear coat after the paint job done by them before I do the lettering. TIA for any help.

73,

Mike KS0F

ks0f@i1.net

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Karan Lee Carruth <klccarru@tenet.edu>  
Subject: SCR-series radios  
Message-ID: <Pine.OSF.3.91.960301125723.7619C-100000@beall.tenet.edu>

David Stinson asked where he might find information about the composition of various SCR radio sets. Try the following:

TM 11-487 Electrical Communication Systems Equipment 2 Oct 1944

TM 11-487A Electrical Communication Systems Equipment August 1950

TM 11-310 Schematic Diagrams for Maintenance of Ground Radio  
Communication Sets 1943

I got photocopies of these from Fair Radio Sales (actually, one might have come from Robert Downs - I can't remember)

These contain a LOT of information about WW-II Army communications. No USAAF or Navy stuff though. Wish I could find similar info for Army and Navy WW-II stuff.

Lenox Carruth  
klccarru@tenet.edu

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: SCR-series radios.  
Message-ID: <199603011528.HAA14033@ix9.ix.netcom.com>

Can anyone tell me where to find a list of components for SCR-series radios? For example, the SCR-193 consisted of the BC-191, BC-312 and PE-(?) dynamotor, as well as all the accessories. I'm trying to determine the basic components (BC-) of many of these and need a reference.  
73 DE Dave Stinson AB5S/7

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: Re: SCR-series radios.  
Message-ID: <199603020039.TAA10688@ns1.ptd.net>

>Can anyone tell me where to find a list of components  
>for SCR-series radios?

The Antique Wireless Association "Review" Volume 6 contains an SCR-RC-BC directory. Does anyone know the author, Frederic W. Chesson? Perhaps we could get dispensation to post this list.

Al Klase - N3FRQ  
alklase@mailbox.ptd.net  
Flemington, NJ

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: DUBE2@delphi.com  
Subject: SM-220 Service Manual  
Message-ID: <01I1T0N416YQ9ASSMD@delphi.com>

Does anyone have a service manual for the Kenwood SM-220 Station Monitor that you could make a copy for me? Thanks in advance.

73,  
Dube AB5AP dube2@delphi.com

A man with a gun can be disarmed; a man with an idea cannot.

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Barry L. Ornitz" <u856010@eastman.com>  
Subject: RE: Surface preparation for painting (solvents)  
Message-ID: <Pine.ULT.3.91.960229165644.15083B-1000000@dua150.kpt.emn.com>

On Thursday, 29 Feb 1996, Cormac Thompson (W7JHS) recommended the use of methyl ethyl ketone (MEK) to wash panels and cases just prior to their painting. From a toxicity standpoint, I would strongly suggest that acetone be used instead. Both materials are extremely flammable and you should use protective gloves when using either solvent (natural rubber is suitable but butyl gloves are even better). Do this outdoors with plenty of fresh air and all sources of ignition at least 30 feet away. Both solvents will dissolve or soften lacquer paints and attack most plastics. But to repeat, acetone is FAR less toxic.

For a more complete discussion of solvents and safety gloves, consult my posts in the archives.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Michael.J.Knudsen@att.com  
Subject: Re: SX-53 BFO, manual needed  
Message-ID: <9603011756.AA21247@bock.ih.att.com>

Quite likely your BFO has just been badly misaligned.  
Probably no harm in cranking the BFO trimmer cap or coil thru its whole range while listening to a not-strong AM signal, to see if you can find it. That assumes you are sure which trimmer is for the BFO! And that it really uses a separate tube section as an oscillator, and not the regenerative IF found in the 4-5 tube cuties.



If you have another rx that tunes 400-500 KC (most don't, you need a mil surplus or a modern ricebox portable that isn't afraid of its own IF), wrap its antenna short wire around your detector tube and hunt around for the SX-53's BFO before screwing with the alignment.

73, mike k aa 9-radio garage

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: Re: SX-53 BFO, manual needed  
Message-ID: <199603020039.TAA10727@ns1.ptd.net>

>If you have another rx that tunes 400-500 KC (most don't, you need  
>a mil surplus or a modern ricebox portable that isn't afraid of its own IF),  
>wrap its antenna short wire around your detector tube and hunt around  
>for the SX-53's BFO before screwing with the alignment.

>

BEE CAREFUL (THIS IS FROM MEMORY!):

I think the SX-53, actually S-53A (I think), has an IF of 1650 KHz. BFO is slug tuned and can be accessed from the top of the chassis. Its in the front-right center as I recall. I'll check and see if I have some doc's.

73,  
Al Klase - N3FRQ  
alklase@mailbox.ptd.net  
Flemington, NJ

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Sandy Blaize <70401.134@compuserve.com>  
Subject: Re: SX-53 BFO, manual needed  
Message-ID: <960302044635\_70401.134\_IHD56-2@CompuServe.COM>

No, wrong! The Hallicrafters S-53A has a 455 khz IF. There is a mixer (6BA6), Oscillator (6C4), and two IF stages (6BA6). The BFO/1st audio stage is a 6SC7, 6H6 dual diode is for 2nd Det/AVC, 6K6 Audio Output stage. Remaining tube is a 5Y3GT rectifier. If you open the lid, the BFO slug is between the

two metal tubes (6H6 and 6SC7).

The S-53 is not a bad set for what's in it, but the image rejection leaves a LOT to be desired. (No RF stage or an extreme amount of front end selectivity!) I use mine as a bedside receiver to listen to 75 meter AM stations, SWBC stuff etc.

73,

Sandy W5TVW

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: SX-53 BFO, manual needed  
Message-ID: <199603020500.XAA11107@zoom.bga.com>

As Michael.J.Knudsen@att.com said

>  
> Quite likely your BFO has just been badly misaligned.  
> Probably no harm in cranking the BFO trimmer cap or coil thru its  
> whole range while listening to a not-strong AM signal, to see  
> if you can find it. That assumes you are sure which trimmer  
> is for the BFO! And that it really uses a separate tube section  
> as an oscillator, and not the regenerative IF found in the 4-5 tube cuties.

Hey Mike: If you're thinking of the Hallicrafters S-53, it isn't an  
"SX"---no crystal filter (or any other). Also, fishing for BFO at 455  
Kc or thereabouts won't find anything. The IF is 2075 Kc. The S-53A  
changed to 455 Kc.

>  
> If you have another rx that tunes 400-500 KC (most don't, you need  
> a mil surplus or a modern ricebox portable that isn't afraid of its own IF),  
> wrap its antenna short wire around your detector tube and hunt around  
> for the SX-53's BFO before screwing with the alignment.

>  
On an S-53, the BFO coil is under the chassis, slug tuned from the top,  
through a hole between the 6H6 and 6SC7.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Hugh D. Stegman" <driver8@red-eft.la.ca.us>  
Subject: re: SX-62 parts rig  
Message-ID: <9602291901.AA00933@red-eft.la.ca.us>

>SX-62 smoking on power-up

Hallicrafters used tubular caps of the Black Beauty variety in this one. They

ooze, and like to fail shorted. My father's SX-62 didn't smoke because the main bypass cap went first, and it simply exploded, all over the inside of the chassis, cutting B+ in the process. Sometimes you just get lucky.

You'll have to replace a lot of caps to get this neat old box howling through the night again, and the hand wiring is, to say the least, messy. Lead dress is a real nightmare. I still have to twiddle the BFO some more.

GL.

-hugh

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: "Rhett T. George" <rtg@ee.duke.edu>  
Subject: Tank circuit  
Message-ID: <199603011324.IAA131177@ee.duke.edu>

- Greetings -

An EE senior stopped by the office yesterday to discuss the transmitter she is researching and then building. One good question was, "Why is this called a tank circuit?" My best guess answer is that the parallel (in this case) L-C circuit stores electrical energy and may be regarded as a storage tank.

Now, I turn to the collective wisdom (with thanks to whomever first used this expression) of the BA crowd for a better answer or maybe a bit of history on the usage of 'tank circuit.' Tanks for any replies.

73

Rhett - KE4HIH

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Jack Ray <k4mzw@akorn.net>  
Subject: Thoughts on a "First" receiver  
Message-ID: <199603012346.SAA26416@paris.akorn.net>

Many times I have reflected upon this subject over the past few years and I guess my current passion for collecting old radios is a culmination of my longings when I couldn't afford things in this category. It was my Scoutmaster, who had the foresight to ask a Ham to assist him with the Morse code merit badge requirement, that is responsible for my becoming a ham. It was only 2-3 of us who were interested enough to stay after the meetings to talk with this radio guy. I don't remember his callsign but he was a radio operator with a large construction company running a cross country natural gas pipeline so he wasn't in my hometown for too long.

The interest he showed a few of us and a later invitation to his hamshack was all it took. I remember that he could hold a small flourescent bulb over his transmitter and it would glow when he keyed the rig. I still think that the Glow of those tubes making voices come from the speaker is magic!

The first entry for me was a Knight Kit Space Spanner and a set of .50 cent headphones from Burnstein-Appleby, remember them? In those days you could buy all kinds of Surplus stuff for a few cents. I remember brand new 1625's 5 for \$1.00. For the next several months I listened each night to HCJB in Quito, Ecuador and Radio Moscow and later to some Hams but not before receiving and proudly displaying cards from the Short wave stations I could hear on that little receiver.

Soon all three of us were studying for our novice tickets and the start of this hobby began. I've had many many rigs since then but I always will remember that little Space Spanner, I guess that's why I recently rescued one for \$5.00. It doesn't work but I don't care that little rig and my original Heath DX-20 still bring chills whenever I look at them!

If you read this just remember that somewhere there is still a young guy or gal who is just waiting for an invitation to your hamshack, even in this "so what" society of Internet and computers, nothing can take the place of two-way conversation vir Amateur Radio I don't care what they think.

Keep the "fire" in the bottle!

73,,,,,,,,,,,,,,,,,,,,,,,,,,,,, Jack

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Jim Dillon <beadgal@ptialaska.net>  
Subject: Thoughts on First BA  
Message-ID: <01BB06E7.540BEBA0@juneau\_43.dialups.ptialaska.net>

Hi Fellow Thermionists-

Allan touched on a sentimental subject which I will bring around to a = more hard

edge (trust me -hide the hanky). Started this a.m. responding to Rich = Wayne's

request for Hallicrafters SX-43 manuals. I pulled them from the file . = Both original, one 1946, other 1949, each with the WCUM AM-FM stamp at = the top.

They, along with the SX-43 had been shipped Parcel Post from Maryland a = few years back when the family attic was cleared out for the last time. = The radio

came to rest in the boiler room of the Skunkworks aka HITEC, our store = in

Juneau.

WCUM was my first real radio job as a weekend parttime combo DJ. (Yes,

they did have a jingle that ran 'that's CUM on your radio'- I have the =  
Magnecord  
airchecks somewhere...the other station in town was WDYK which finally  
folded and sold out to WTBO (Where Tubes Blow Out). Those were the first  
wave of hard times for AM radio (cable TV had come to town). I was 15 at =  
the  
time, but I remember first seeing that Green Dial SX-43 when our fourth =  
grade  
class visited WCUM on a field trip; it was perched on a shelf above =  
Wally  
Hanken's desk. Wally was owner/mgr/sales/janitor. When Wally pulled up  
in his pink Lincoln Continental convertible, local merchants would hide =  
the checkbook and/or feign seizures. The rate card should have said =  
WTWB-  
he traded out everything....including the Sx-43....to me , along with an =  
old  
RCA mike when the station couldn't make payroll for several paydays in=20  
1963...by then I had memorized every question/answer in Ed Knoll's =  
books,  
had a First and somehow kept the BT-3 and BTFM-1 warming the clouds.  
The Sx-43 was given to WCUM and many other stations that could be loaded  
up into 640 or 1240 kc. from their regular assigned graveyard freqs by =  
Civil Defense in the late Fourties. We were the Conelrad station, and =  
starting in  
July 1949 through 1967, the Hallicrafters kept watch on the carrier of =  
WRTA  
in Altoona, awaiting the dreaded "Duck and Cover" Alert Message  
It never came and the SX-43 was replaced by a lime green TT machine tied =  
to  
the DCA/WHCA/CIA whatever at Ft. Meade. Hundreds of other Sx-43s and  
SX-42s did same duty until their retirement in the late 60s.  
I hauled it home, flat broke, but delighted that I could listen to Byron =  
McGregor's 20-20 news on CKLW or Cousin Brucie on WABC without having  
to hook up a scavanged '52 Buick Delco car radio to a row of Aeromotor  
cells.  
Fastforward...about 29 omagod years... Today a high school kid =  
drops=20  
in to the store looking for 'a neat old shortwave set'. On top of the =  
boilerroom  
pile was a S40B, at the bottom an Sx-62 with cracked/repared dial scale =  
(which suited his DC to Daylight listening needs and followed him and a =  
fellow weight lifter buddy home). There in the middle was the Sx-43 =  
repleat with a dash of yellow CD paint on the side and the heathkit CA-1 =  
Conelrad monitor  
I remember wiring together before an airshift in 1964 to replace the =  
Kaarradio  
original . I had cleaned it up and cooked it on aVariac a couple years =  
ago.

Of course it still plays perfect...AM, SW, 'new'FM, old FM-6mtrs. Took a =  
peek inside-all original paper caps, all but one tube original =  
Hallicrafters. This from  
a BA that was on continuous duty from 1949 to 1967.  
Oh, BTW, Rich do you still need those manuals copied? Just for old times =  
sake? Jim Dillon (aka Chuck Justice) WL7CMQ Beadgal@ptialaska.net

PS be sure to visit the 'Classic CKLW' website-great links to the =  
'software'  
that used to feed the 'other top band' of our BAs

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Thoughts on first receivers  
Message-ID: <UPMAIL03.199603010145500997@msn.com>

Gang , I was setting in my office today and thinking about my first  
commercial receiver, a lowly National NC-60.(Circa 1959) I believe I was 13  
when I got it.  
My Dad, rest his soul, Got it for me from Allied after he found out I had been  
carrying away old TV chassis from the local TV repair shop which unconveniently  
was next to the Beer Lounge he frequented in North Houston. He found out I had  
hide the junk chassis's in the woods behind the house and was stripping them  
for only one item a Germanium Diode, to make a crystal set.. The TV shop owner  
ratted on me. Probably the best thing that every happened as my Dad bought the  
receiver for me and it was definitely a big problem moneywise for him.  
This is not a big deal to anyone but me but , surely all the people on the  
list have similar experiences, How come we never hear from our friends in  
Europe, Asia, Africa or the Aussies too much about their young experiences and  
how they got started.Surely we all were poor and surely everyone on the list  
would be intersted.

Curious  
fritsche@msn.com

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: fgilmore@dialnet.net (Clyde F. Gilmore, Jr.)  
Subject: Re: Thoughts on first receivers  
Message-ID: <31371f7d.46607652@mail.dialnet.net>

On Thu, 29 Feb 1996 19:48:17 -0600 (CST), you wrote:

>

>  
> Gang , I was setting in my office today and thinking about my first  
>commercial receiver, a lowly National NC-60.(Circa 1959) I believe I was 13  
>when I got it.  
>My Dad, rest his soul, Got it for me from Allied after he found out I had been  
>  
>carrying away old TV chassis from the local TV repair shop which unconveniently  
>was next to the Beer Lounge he frequented in North Houston. He found out I had  
>hide the junk chassis's in the woods behind the house and was stripping them  
>for only one item a Germanium Diode, to make a crystal set.. The TV shop owner  
>ratted on me. Probably the best thing that every happened as my Dad bought the  
>receiver for me and it was definitely a big problem moneywise for him.  
>This is not a big deal to anyone but me but , surely all the people on the  
>list have similar experiences, How come we never hear from our friends in  
>Europe, Asia, Africa or the Aussies too much about their young experiences and  
>how they got started.Surely we all were poor and surely everyone on the list  
>would be intersted.  
>  
>Curious  
>fritsche@msn.com

Poor is an understatement for some of us in our early days. My first receiver was a Hallicrafters SX-18 which came out of the city dump. A friend whose father was a trash hauler was always coming up with strange things his dad brought home. I had already got some military items, books, etc but wanted a receiver in the worse way. I had modified an AC/DC radio to receive SWBC via a ferrite loopstick on the back (most simple SW conversion known to man) and heard a few of the strong stations.

One day the guy called and said he had this SX-18 but it was missing some tubes. I didn't know what an '18 was but I said I woud appreciate having it dropped off at my house. I was about 13 or so myself and lived in the country where civilization had barely reached.

A week later a lumber truck driver swung by and kicked off the set...well he actually sat it on the porch.

To make a long story short it took a whole summer of working on neighbors farms to get almost a complete set of tubes to get the thing working. Two weeks after it was on the dial cord broke. No manual of course. A television tech finally figured out how to restring it so I was cooking again.

Never heard a signal above about 18 mhz I don't think. It was just plain dead up there. But hot as a pistol on the lower bands.

My parents viewed the whole thing with great disdain, espicially since

it had come out of the city dump and no telling what it had come in contact with.

Needless to say I wish I had it back.

73,

Frank K0JPJ ex-W5PVX ...-.-

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: dt@scotborders.co.uk (David Topham - Arts & Science)  
Subject: Re: Thoughts on first receivers  
Message-ID: <9603011747.AA13377@scotborders.co.uk>

Allan Fritsche said:

>How come we never hear from our friends in  
>Europe, Asia, Africa or the Aussies too much about their young experiences and  
>how they got started.

Well...

My first receiver was the family Pye BC set which had two SW bands and a tone control. I would be 10 when I went to my Dad's (cable TV) research lab (it failed...) and met his chief engineer, Charles Boville. I did not know it then but he was one of the designers of the British Wireless Set 19 tank radio. He showed me RCA Nuvistor tubes and told me to forget transistors.. .this was my first inkling that adults could be wrong. Charles gave me a whole cabin trunk of his junk and I guess that got me started (I expect his wife was delighted). I enjoyed the lab during vacations and Dad bought me a communications Rx like he used in WWII for 10 pounds. This would have been about 30% of a week's wages, so it was serious reminiscing for him. Then we found the Tx. Then I got my ticket. Then I bought and traded many many many many more radios and never stopped.

My other young experiences were mainly to do with sleuthing out the forbidden experiments from the "deliberately left blank" pages of the book for my chemistry set and performing them at sensibly large scale. On one occasion this disturbed the local vicar when an experiment I had buried in the garden came to its conclusion with a well-satisfying "crump". Mother really did ask him if he wanted "more tea..?" On another occasion my schoolroom was condemned for 12 weeks by the public health department..... ..I went to 22 different schools. Mostly I did not stay long.

Now. Who really wants to know how we Europeans mis-spent our youth???

73 David Topham GM3WKB dt@artscience.scotborders.co.uk



From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>  
Subject: Re: Thoughts on first receivers  
Message-ID: <199603011748.LAA01546@dlep1.itg.ti.com>

Let's see... At the age of nine my dad gave me a telegraph sounder and key kit. (Does anyone remember these things from the early 60's. It was real impresssive looking and came in a clear plastic case.)

Around a year later I rejuvenated a 30's vintage two-band Philco which covered broadcast and something like 5-10 Mc.

At eleven, my grandparents donated enough money to get me a Knight-kit Star Roamer which I put together. Unfortunately, I added a short from one of the grids to ground and couldn't get the Star Roamer working until after I'd saved up enough money to buy a Knight-kit signal generator (put it together, too) six months or so later and trouble shot the Star-Roamer.

At thirteen I had my ticket and got on the air with borrowed ARC-5 80 and 40 meter transmitters using the Star Roamer as a receiver. (It's a pitiful excuse for a receiver, BTW. I see them going for \$50 now and have to laugh. If I see one for \$10 or \$15 I might pick it up just for grins.)

Mel Brumbelow, WA5FCS, who helped me get my ticket took pity on me and let me use his BC-348 for a few months. (A better receiver than the Star Roamer, but wide as a barn door. I have no love for the BC-348 either.)

Finally, I got the opportunity to trade an old horizontal-shaft lawnmower engine for a BC-779-B Super-Pro. Seems kinda like I had to throw in \$3.00 and something else in trade, although exactly what the something else was escapes me. I used that Super-Pro for a number of years. And yes, I truly admire Super-Pro's. They're wonderful receivers. (Just in case anyone missed my posts about them recently.)

Regards,  
Bill Sorsby, N5BU

\*\*\*\*\*  
bill.sorsby@dlep1.itg.ti.com  
Views expressed herein are no one's fault but mine.  
\*\*\*\*\*

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: flanders@GroupZ.net (Jerry Flanders)  
Subject: TMC HF Transmitter ShipAnchor  
Message-ID: <199603010147.TAA13603@uro.theporch.com>

This is long, but I need to describe the pieces in hope some of you guys might recognize some of this stuff and can point me to a supplier of manuals, schematics, and cables or offer your comments or advice.

I have what appears to be an almost complete assembly of components for a TMC (Technical Material Corp) HF multi-KW SSB transmitter system. Unfortunately, I don't have any manuals or interconnecting cables for any of it. Most of the rear interconnecting plugs/sockets are unlabelled as to function, so it will be very difficult to get it going without manuals. It consists of the following pieces, all of which (except power supplies) appear to have motors for tuning and bandswitching, in addition to the front panel manual control knobs:

All are TMC manufacture. I am guessing the manufacturing time period is late fifties or early sixties. All are a blue-green color, standard 19 inch rack panel construction except for one item, described later. They might have been once owned by the Marine Corps.

#### SIDEBAND EXCITER MODEL CMRA 1

Early solid state technology on plug-in boards. Rear panel has 4 audio inputs, 1 MC RF input, RF output, other power, control, and interlock connectors. About 7 inches high.

#### POWER SUPPLY MODEL HFP 1

Probably supplies B+ operating voltages to some of the tubed units below. About 5 inches high - many fuses and pilot lights.

#### RF TRANSLATOR MODEL CHGR 3

Has a sliderule dial over a calibrated background rotating drum, displaying the several bands. Drum coupled to bandswitch. Also has TUNE knob. Probably a heterodyne unit to convert the generated SSB drive sig (from unit above) up to the actual operating frequency. Has Synchronize and RF level meters, RF gain knob. Uses tubes. About 12 inches high.

#### CONTROL SYNTHESIZER MODEL HFS A-2

Uses tubes. 40 crystals seen from above (3.1 KC (yes, I said KC - first audio freq crystals I ever saw) to 4.0 KC), (27 - 36 KC), (320-410 KC), and (2.9 - 3.8 MC), and 30-something crystals below that I can't see well. 6 nixie readouts (NN.NNNN). Probably mixes various crystal-generated frequencies to a final output freq (or to a freq that is later mixed with the sideband exciter's signal) in 100 hz steps. There is one knob for each

of: MC (31 positions), 0.1 MC (11 pos), 0.01 MC (11 pos), 1 KC (11 pos)) and 100 HZ (11 pos). There are several BNC's on the back, but strangely, none marked HF output (there is a HFO input). About 12 inches high.

#### AMPLIFIER MODEL RFTA 1

Appears to be a three-stage power amp, 9 position bandswitch covers the entire 1.6 to 32 MC range. Uses two ceramic tubes (one clearly marked RCA 8121, other probably same) as 1st and 2nd amps to drive the EIMAC 5CX3000A final. Front panel knobs for Bandswitch, 2nd Amp tuning, multimeter switch (1st amp Ip, 2nd amp Ip, 2nd amp Ep, IPA Ep) TUNE (input tuning of final's pi-net output ckt), LOAD (pi-net output). Has 2 meters ( 0-100 multimeter, and 0-1amp IPA plate current). On back, I have BNC's for RF input, ALDC, 2nd Ampl, Tune, Load, larger coax connector for RF output, and an insulated connector that has to be HV input for the big tube's plate. Also another multi-pin plug that is obviously for heaters, driver B+, final screens, bias, etc. Also a couple of connectors for driving the motors. Curious that the final in this unit is referred to as the IPA (intermediate power amp? I wonder what they drove with it?). Inside, the major components are a 220 VAC blower, the big EIMAC tube, a really tough-looking pi-net output circuit with massive bandswitch, mostly silver-plated inductors, Jennings vacuum variable caps (the output one is marked 2000 at 5 KV. Can't read value of the input one. I have written to EIMAC for info on this big tube, but maybe someone here knows it's specs already?

No Front Tag - Rear tag says AD-126

This is odd-sized. It measures 28.75 inches wide by 11.75 high. The above RFTA 1 slides right into this one. I am guessing that it supplies all voltages for the RFTA 1 except the multi-KV HV for the 5CX3000A. Has several transformers, interlocks, relays, pilot lights and fuses.

#### WHAT TO DO WITH ALL THESE TOYS?

Well, It would be a shame to break it up. The power RF deck could be used alone. It probably uses less than one watt drive to generate several KW output (maybe a real "kick-butt" pair of boots for a QRP rig when times are tough?). Probably all I need to get it going is a couple hundred pounds of HV plate supply and a few hours testing. It would probably be very, very capable at a mere 1500 watts output. I plan to at least get this part going.

But I would really like to see the **\*\*WHOLE\*** thing perking along together, maybe even with the motors whirring and the motorized switches clicking along in sync. The only way I could succeed at full restoration is to have a complete manual set with interconnection diagrams. A web search last night turned up a few addresses that I will write to, chiefly the National Archives in Wash, and the US Army Military History Institute. If anybody can contribute any knowledge or advice, I would sure appreciate it.

I may be missing a control unit - something that would tell the motors when to turn.

Jerry Flanders      W4UKU      South Carolina      flanders@groupz.net

From boatanchors@theporch.com   Fri Mar  1 04:26:30 1996  
From: Peter Ferrand <pferrand@scoot.netis.com>  
Subject: Re: TMC HF Transmitter ShipAnchor  
Message-ID: <199603010655.BAA04661@scoot.netis.com>

Jerry, why not just call TMC and ask for the manuals? They're still where they've always been in Mamaroneck, NY.

We're all waiting to hear how this comes out. For any of us who love tinkering, it sounds like months of fun.

Best part is, it'll be worth doing 'cause it's very nice stuff. I think this was part of AN/FRTsomething, I'm sure others here will know.

73,  
-P

From boatanchors@theporch.com   Fri Mar  1 13:52:15 1996  
From: Michael.J.Knudsen@att.com  
Subject: Re: TMC HF Transmitter ShipAnchor  
Message-ID: <9603011804.AA21256@bock.ih.att.com>

Is all this neat TX gear as classy looking as the GPR-90 RX?  
--mike k aa9rg

From boatanchors@theporch.com   Fri Mar  1 23:31:39 1996  
From: Peter Ferrand <pferrand@scoot.netis.com>  
Subject: Re: TMC HF Transmitter ShipAnchor  
Message-ID: <199603012052.PAA12906@scoot.netis.com>

>>charge me the usual government price for the manuals...

You can be absolutely sure that is exactly what they will do.

The time you will save getting it working will be worth it.

-P

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: don merz <71333.144@compuserve.com>  
Subject: URM-25F, OS-3/E Manual Needed  
Message-ID: <960301155411\_71333.144\_DHB75-5@CompuServe.COM>

I need some URM-25F stuff: Manual, accessories for inside the lid and 4 of those silly long screws that hold the front panel to the case. Any help appreciated.

Also needed: Military o'scope manual for OS-3/E 'scope

Thanks.  
Don, N3RHT  
71333.144@compuserve.com

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: john <johnmb@nando.net>  
Subject: Wanted: 500H, 5 mA audio choke  
Message-ID: <9603012258.AA09239@nando.net.nando.net>

UTC R22 is the number (or something close)  
Looking to build LV Regennie in Feb 40 QST mag.  
Thanks!  
/john

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: Radiomatt@aol.com  
Subject: warning on old AM transmitters  
Message-ID: <960301221337\_435969310@emout04.mail.aol.com>

We used to be in the broadcast business (2 FMs we owned). I was always looking for cheap older transmitters, but once I got the shock of my life when a moving company wouldn't move a unit because it contained PCBs in the transformers and aslso some of the capacitors were oil filled. They told me it would cost several thou \$ to have a PCB cleanup crew dispose of it and give the moving company a permit or release for interstate travel. The PCB laden parts must be disposed of by a federally licensed company. Save your money!

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: garland@MPS.OHIO-STATE.EDU (James C. Garland)  
Subject: Warning: Check your 811As!  
Message-ID: <01I1TJPUFYL68WWS74@MPS.OHIO-STATE.EDU>

Hi Folks,

I've recently acquired fifteen or so 811As from various sources, both new and used, and have noticed that a significant number (4 or 5) have partially defective filaments which aren't noticeable to the casual observer. The 811A has two filaments, wired in parallel. In each of my defective tubes, one of the two filaments was open. Interestingly, the idle current, grid current, and even the power output of the defective tubes appeared to

be normal, so that I wouldn't have noticed the problem except by looking for it. I found the problem in two 30L-1 amplifiers, in a Gonset GSB-201, and in a batch of new Pride 811As

If the tubes seemed to work okay, then why does it matter if half the filament is broken? Three reasons: First, the broken filament is dangling somewhere inside the tube, and if pieces fall the wrong direction they can lead to some dramatic (and unwelcome) pyrotechnics in your HV power supply.. Second, the operating life expectancy of the defective tubes will be greatly shortened, since the remaining half-filament is required to supply twice its normal electron emission in order to maintain plate current.

And finally, one or two defective tubes in a bank of four will create a serious imbalance with the other tubes, potentially jeopardizing their life expectancy as well.

My advice is to check the filaments in your 811As, even if you haven't noticed any problems in day-to-day operation; the lighted end of each of the two filaments is easily visible from the top of the tube. And while you're at it, see

if there are any darkened areas on the anode and/or any evaporated metal on the glass envelope adjacent to the plate. Either would be an indicator that you've overheated your tubes and that you should back off your loading a bit. One final tip: Unplug the 811As from your amplifier if you're shipping it somewhere, and pack them separately. The most likely cause of broken filaments is mechanical jarring during transportation.

73,

Jim W8ZR (sadder, but now wiser)

From boatanchors@theporch.com Fri Mar 1 13:52:15 1996  
From: Kim Herron <kherron@voyager.net>  
Subject: Re: Warning: Check your 811As!  
Message-ID: <199603011845.NAA01579@vixa.voyager.net>

Hi Gang,

>I've recently acquired fifteen or so 811As from various sources, both  
>  
>new and used, and have noticed that a significant number (4 or 5) have  
>  
>partially defective filaments which aren't noticeable to the casual  
>  
>observer. First, the broken filament is dangling  
>  
>somewhere inside the tube, and if pieces fall the wrong direction they can  
>  
>lead to some dramatic (and unwelcome) pyrotechnics in your HV power supply..

One of our members here has noticed that there are some problems with 811A's. The original post mentions that he's noticed it especially with Pride brand tubes. For those that are not aware:

It is quite well known in certain circles that Pride has a DEFINITE problem with their filaments in the 811A's. They warrantee the tubes for 12 months for that reason. Usually, these tubes will perform adequate in the vertical position. However when used in the horizontal position, i.e. the Collins 30-L1, they can be a source of real problems. Even RCA made certain versions of their 811's to be run in the horizontal position and the tube manual tells you which pins must be in the vertical plane to be usable in the horizontal position. It's unfortunate that someone has to get the education by experience, but it's also a wise thing to ask around and get

some input on the manufacturers reputation as to the performance of their product. I have known people who have had satisfactory use of the Pride brand tube. I've also knknown of those who have had a perfectly good linear amp destroyed because the Pride tubes have failed. the manufacturer will replace the tube. The amp is your problem. So as they use to say on Hill Street Blues "Let's be careful out there".

KIM

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Dale A. Hagert" <daleh@skypoint.com>  
Subject: WTB: Dial Assembly  
Message-ID: <313615C7.78C0@skypoint.com>

I am looking for a National Velvet or Pilot dial assembly for a homebrew regen receiver. If anyone has one please drop me a line at daleh@skypoint.com

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Paul Christensen <PaulC@jax.se.continental.com>  
Subject: RE: WTB: Dial Assembly  
Message-ID: <31367FF1@se.continental.com>

Call Pete Putra at (414) 632-2543. He's recently advertised two National Velvet vernier dials for sale.

-Paul, N9AZ

-----

From: boatanchors  
Subject: WTB: Dial Assembly  
From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: Steven Wilson <randyw@crl.com>  
Subject: WTB: Earpads for HS-16A  
Message-ID: <Pine.SUN.3.91.960229173006.26944A-100000@crl4.crl.com>

I am looking for a set of cushion earpads for a HS-16A headset.

Anyone know of any surplus sources ?

Thanks de stan ak0b  
e-mail via randyw@crl.com



From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: "Hugh D. Stegman" <driver8@red-eft.la.ca.us>  
Subject: Re: Wullenweber  
Message-ID: <9602291839.AA00854@red-eft.la.ca.us>

Don't know about the other ones, but a full sized CDAA in all its glory still occupies a very large field just north of Imperial Beach, CA. The Silver Strand road goes right past, though you have to get farther up the coast (on a clear day) to appreciate the true size of the beast. The three story building in the center looks like a toy.

-hugh

From boatanchors@theporch.com Fri Mar 1 04:26:30 1996  
From: JOSEPH LUTZ <100735.2050@compuserve.com>  
Subject: Re: Wullenweber  
Message-ID: <960229232253\_100735.2050\_EHV29-1@CompuServe.COM>

Yes, they are really impressive and you had to work inside the array to realize the antenna's true sensitivity. There are many articles about the Wullenweber that have been in the NCVA Cryptolog newsletter. The CDAA site that was located at Marietta, WA is no longer standing, but from the air it brings to mind the famous 'Chariots of the Gods' markings as seen from the air. Can't really imagine some of that same technology in today's antennae - I scoffed at the ISO-LOOP, but being in HB9 land where if you are not a local resident, most exterior antennas are not allowed, so I put a ISOLLOOP in my 2nd story attic and I normally can work anything I hear - and easily obtained the necessary contacts for DXCC using it, with no more that 100W. Don't think my neighbors here would appreciate the CDAA their neighborhood.  
73 de Joe (HB9IBA) (W7LPF)

From boatanchors@theporch.com Fri Mar 1 23:31:39 1996  
From: JOSEPH LUTZ <100735.2050@compuserve.com>  
Subject: RE: Wullenwebers/NCVA  
Message-ID: <960301195557\_100735.2050\_EHV83-2@CompuServe.COM>

John,

The NVCA CRYPTOLOG is the newsletter/paper sent out to members of the U..S. Naval Cryptologic Veterans Association, and is open to all active duty/CT Reserves or anyone that has ever served in the Naval Security Group. You can call the toll free 1-800-872-6282 (or the D. C. area dial (302) 933-7041 for more information. The May 1995 issue dealt with the Communications Station @

Imperial Beach, Ca (where I did my training in 1956). This issue has some good articles re: the Wullenweber, and I would be more than happy to copy them and send to whom ever would be interested.

73 de Joe HB9IBA (W7LPF)